EAGLE EYE

Extreme HD

Pocket Mini HD Digital Video Recorder

USER MANUAL

Please read this user manual carefully and thoroughly before any attemptto Install and operate this product and retain it for your future reference.

CATALOG

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Thank you for purchasing HD119 which has the unique, ultra-small and delicate design. It can be used in many recording situations. HD119 rings more convenience, safety and funs to your daily life.

APPROVAL INFORMATION

All our products meet the requirements of approval FCC or CE, and are granted the FCC or CE certification. They are authorized to bear FCC or CE mark.

FCC:

This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

CE:

This product complies with standards including Low Voltage Device Directive 73/23/EEC; EMC Directive 89/336/EEC and R&TTE Directive1999/5/EC. It passed the subject tests by the authority concerned and is authorized to bear CE mark.

ABOUT THE MANUAL

We do our best to ensure all content and details are correctly and the newest. Whereas not 100% exactly correct. If the instruction content is different with the machine , then the machine shall control. We keep the rights for amending this manual but without notice in advance, besides, the manufacturer also keep the same rights for amending the content and technology specifications.

The real packing contents shall control if it is different with the manual mentioned.

- Do not store the device in any place with following conditions:

  - High temperature (45 or higher)

  - Exposure to the direct sun rays or a heating device

  - Inside the car with closed windows (especially, in the summer)

  - Humid place such as the bathroom

- When removing dust, use soft cloth in dry. Do not use organic solvents such as thinner or benzene or wet cloth.
- Do not place a debit card or a bus pass near the speakers. The magnetic interference may occur, which will damage the card.
- Do not place the device near a magnet. The device may not be workable properly.
- Do not repair, disassemble, or remodel the device.
- Do not use the product in a place where use of electronic devices is prohibited.
- Do not operate or set up this device while driving. If it is required to change set up, please do it after pulling over the car or before driving.
- Do not heat up or short the main body or the battery.
- When using an auxiliary device, leave a gap between the auxiliary device and the main device.
- Incorrect use of the product by the user or a third party or static electricity or electric shock loaded on the product may cause loss of or change in the data saved in the product during repair services or replacement of the battery.
- Keep the device out of reach of children.
- Waterproof Capability

  -The waterproof capability of this camera is similar as IPX6;

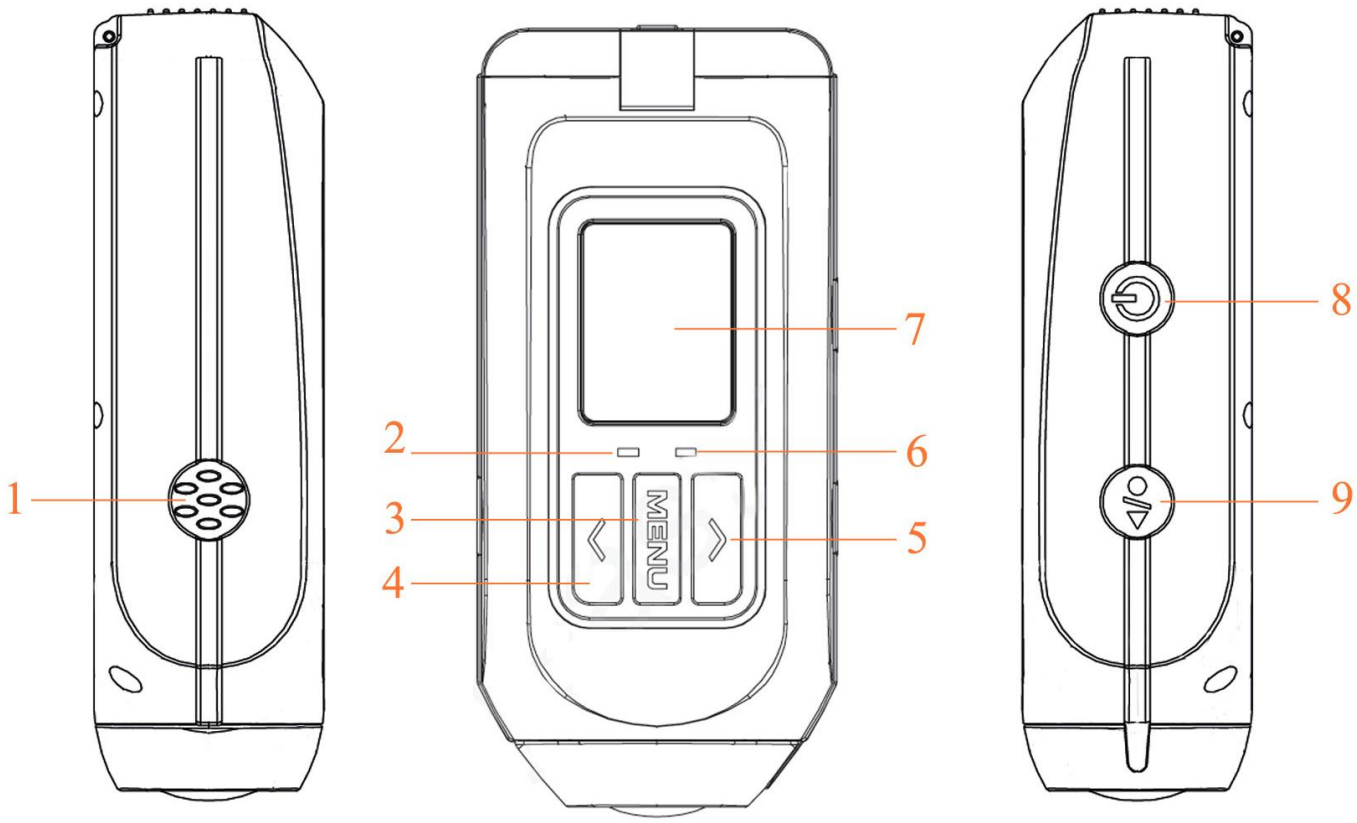
  -Please do not use the camera under water;

  -The camera is not dust-proof;

  -The accessories is not waterproof;

- 1.5inch TFT LCD(480 x 240)
- 5.0 MP High definition CMOS image sensor
- The most popular MOV video recording format
- Waterproof function (Rain water level)
- Easy operation for recording and taking a picture
- Optional recording resolution (Full HD/HD/WVGA/VGA)
- Optional picture resolution(3200 x 2400/8M, 2592 x 1944/5M)
- Video and Picture playback available
- Internal SD card reader for memory expand(SDHC 1GB~32GB available)
- High speed USB2.0 interface for power charge and date transfer
- HDMI 1080i output
- 3.7V 1300MA removable and rechargeable Li-ion battery
- Kinds of Mounts for different use

1.Main Unit & Buttons



1，MIC

2，Power on/Power charge indicators

3，MEUN button

4，Down/Fast Forward

5， Up/Rewind

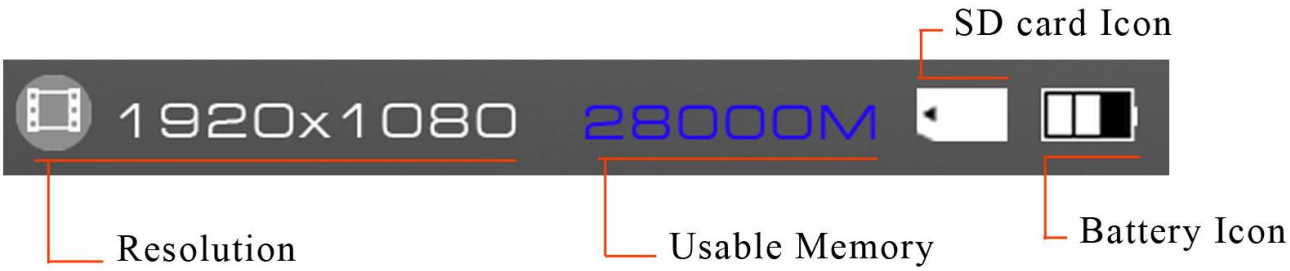
6，Recording indicator

7，1.5inch LCD

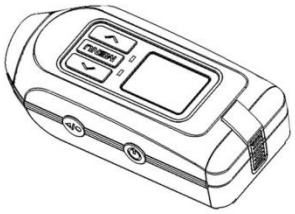
8，Power ON/OFF, / Picture Capture / Quit / Confirm

9，Record/Play/Choose

2.Display & Icon

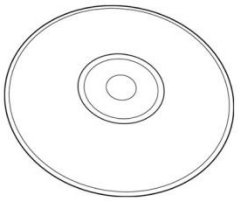


3.Package Contents

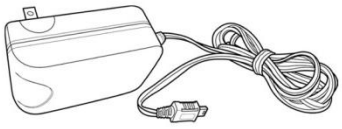


HD119

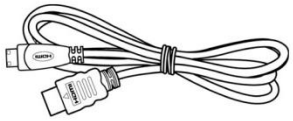
Manual



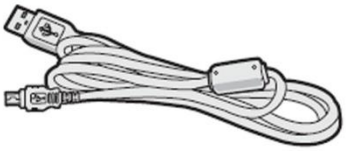
Disc



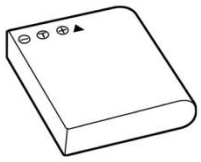
Power charger



HDMI Cable



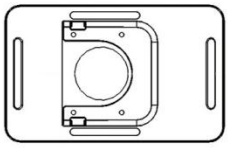
USB Cable



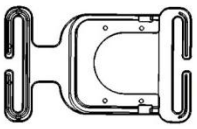
Battery

Head Strap

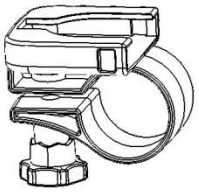
Universal Clip



Helmet Grip

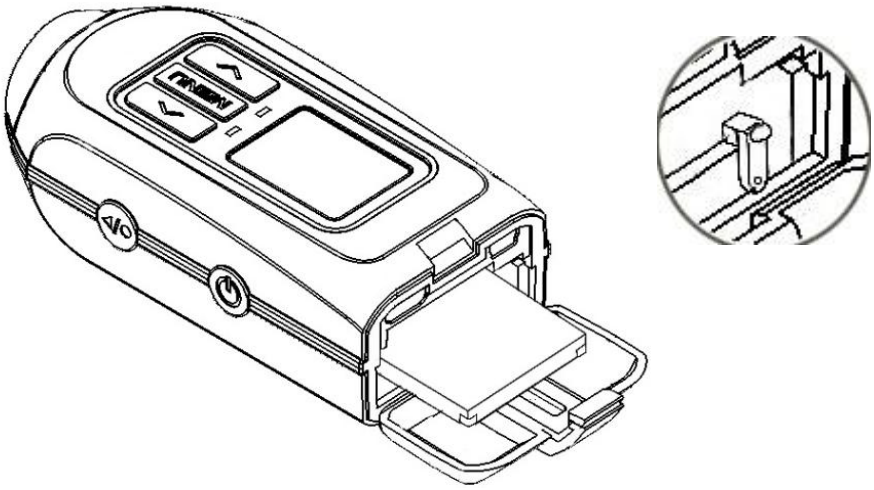


Goggle Mount



Handlebar Grip

1. Checking The Battery Status

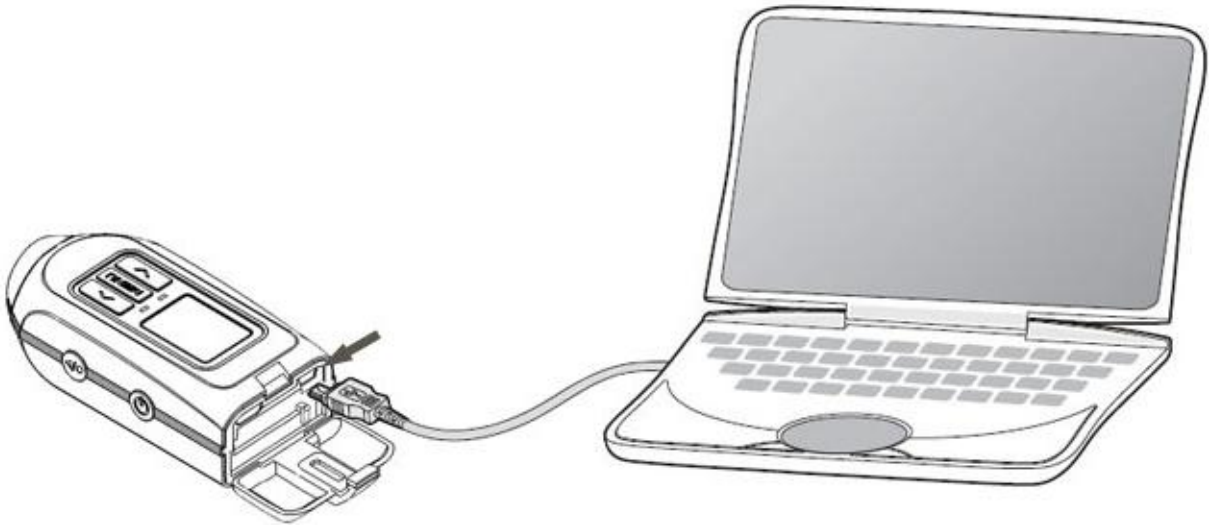


Please Close the battery door after installed the battery correctly.

1) Charging the battery

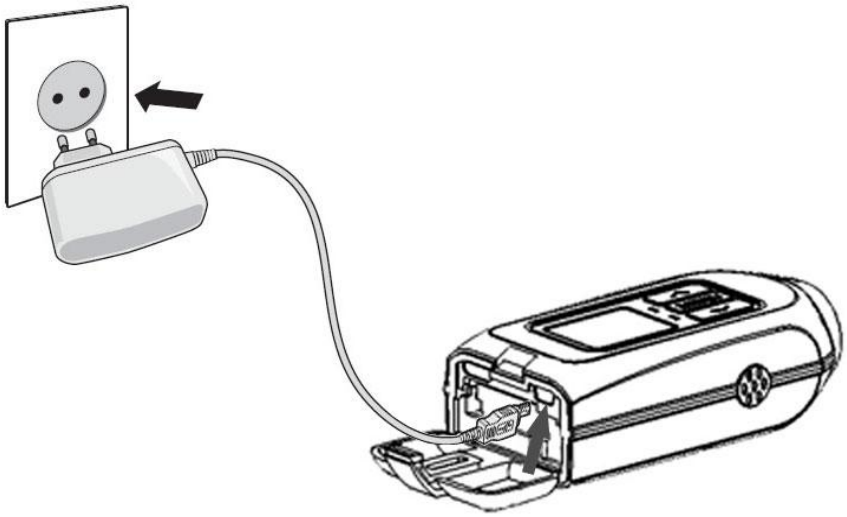
User can charge HD119 by connecting the USB cable to a computer or by using the AC Adaptor.

A. Charging by connecting to PC

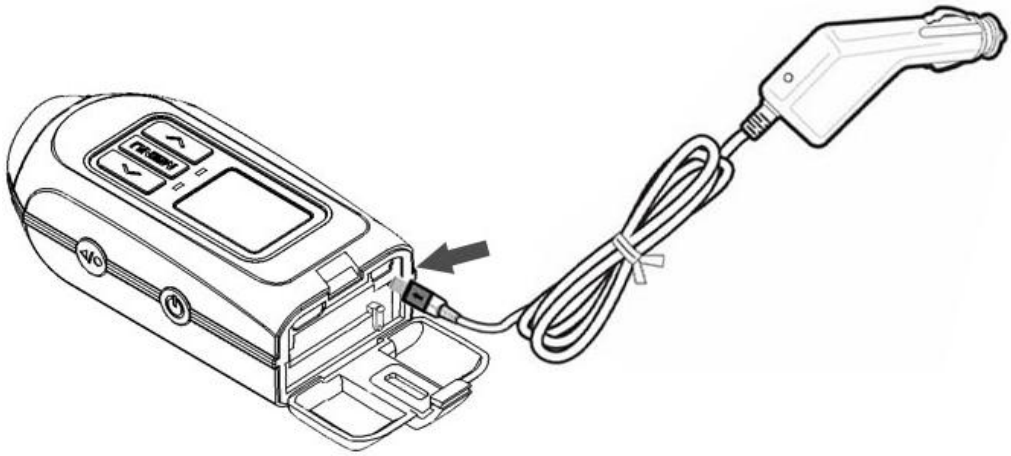


Connect with PC under “Power OFF” condition will charging the battery, under “Power ON” condition will start the Data transfer.

B.Charing With AC/DC Adaptor



C.Charging With Cigar-lighter



2) Battery Charging Time & Operating Time

Charging Time	Continuous play time	Recording time
Approx. 5hrs in Power On	Approx： 4 hours	Approx ：2 hours and 30 minutes（1080P）
Approx. 3hrs 30mins in Power Off		

When plugging or unplugging the AC/DC adaptor, turning off the unit is strongly recommended. The maker strongly recommends using a supplied AC/DC adaptor, but if it is necessary that another AC/DC adaptor is purchased separately at a shop, please check its electric specification is in accordance with HD119's specification.

3) Battery Remaining Status

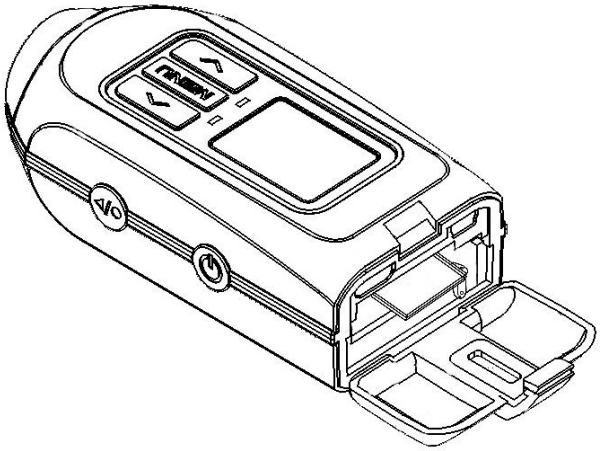
	Full Charge		**Some Power Consumed**
	Power almost drained		**No Power**

Make sure the battery and power charge working as long as possible.

- *The electronic release can not surpass a week, excessive power charge will reduce the battery working life;*
- *If set the battery for free long time, it will gradual losing the power and please charge it again before next time use.*
- *Please disconnect the power if the main device is free.*
- *The battery can not be used in deviant range.*

For the first time usage, charge the battery at least 12 hours. Make sure the power is off when charging battery

1, Card Type and Capacity.



A, The camera built in 32MB ROM memory for system files only.

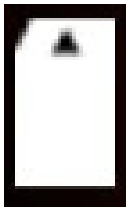
B, The camera built in standard SD card reader, support 32GB memory expand in max.

SD including SDHC is compatible, but it might not work properly according to a brand of maker. So, make sure if the SD card is compatible properly with HD119 before recording.SD Card made by Sandisk is strongly recommended.

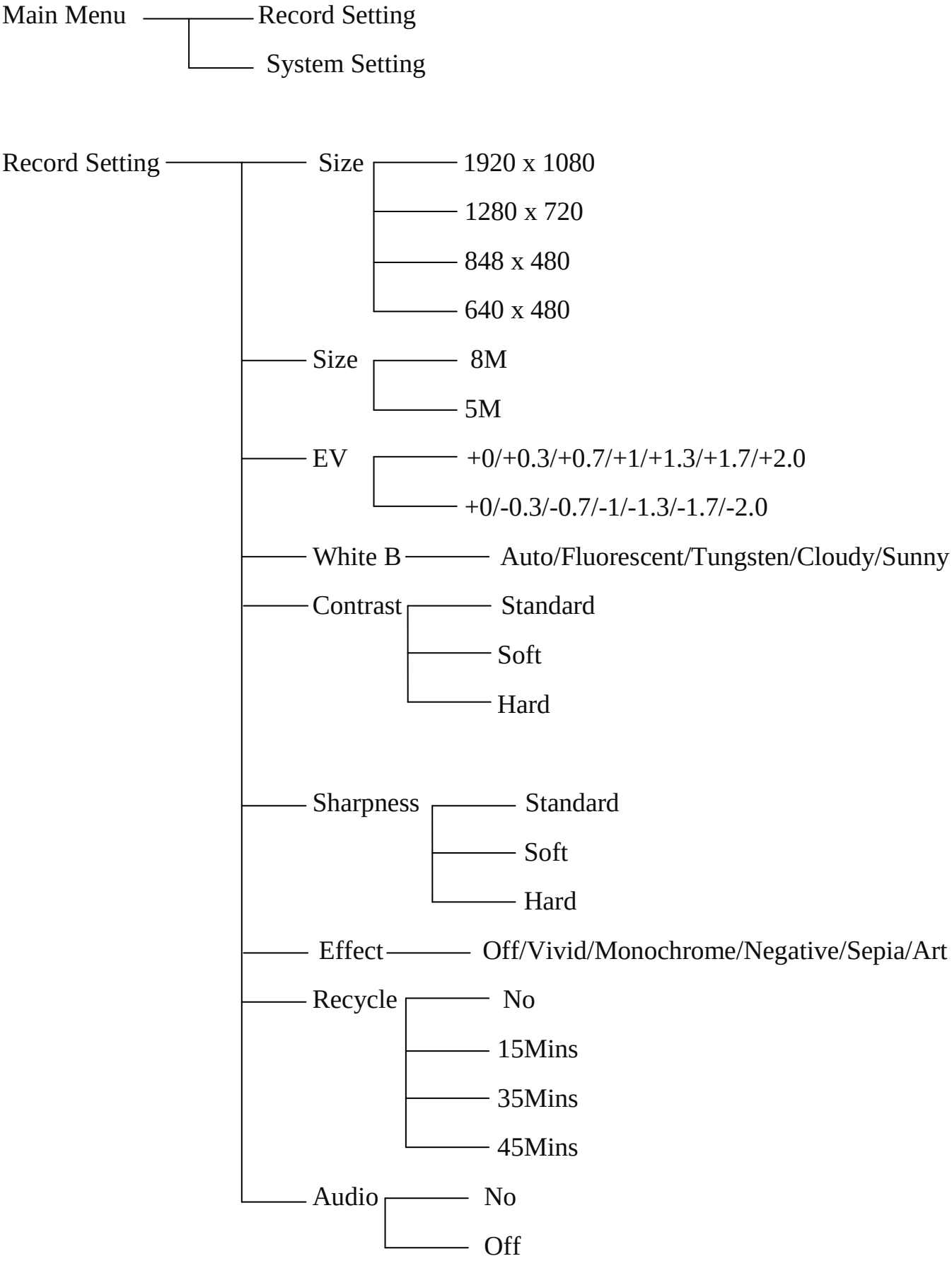
SD card is not included in the package, so user needs to buy separately.

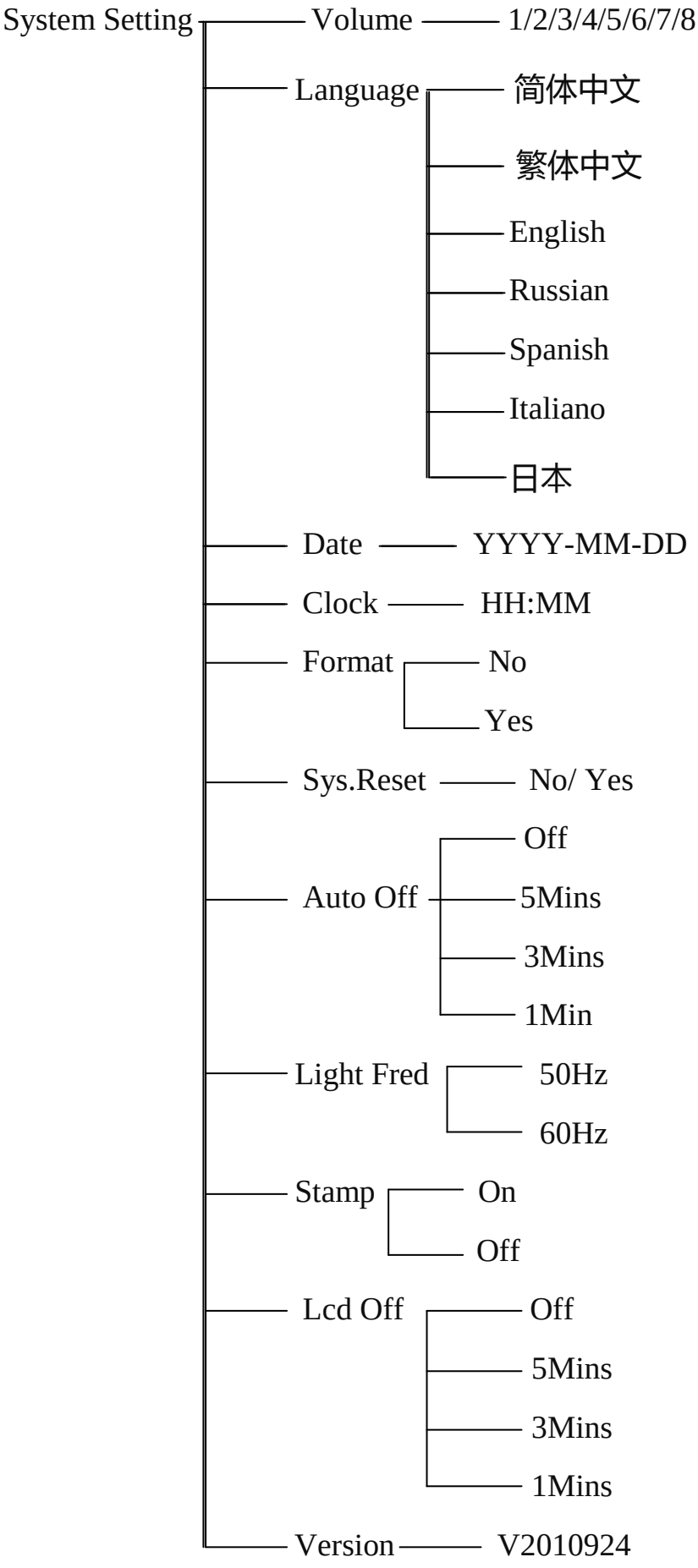
2, Checking the Memory:

User should check if the SD card installed well before use the camera.

		Internal Memory
		External memory(SD card)

Please install the SD card correctly, the side with metal face up, the side with character face down.


Main Menu
Record Setting
System Setting
Record Setting
Size
1920 x 1080
1280 x 720
848 x 480
640 x 480
Size
8M
5M
EV
+0/+0.3/+0.7/+1/+1.3/+1.7/+2.0
+0/-0.3/-0.7/-1/-1.3/-1.7/-2.0
White B
Auto/Fluorescent/Tungsten/Cloudy/Sunny
Contrast
Standard
Soft
Hard
Sharpness
Standard
Soft
Hard
Effect
Off/Vivid/Monochrome/Negative/Sepia/Art
Recycle
No
15Mins
35Mins
45Mins
Audio
No
Off


System Setting
Volume
1/2/3/4/5/6/7/8
Language
简体中文
繁体中文
English
Russian
Spanish
Italiano
日本
Date
YYYY-MM-DD
Clock
HH:MM
Format
No
Yes
Sys.Reset
No/ Yes
Auto Off
Off
5Mins
3Mins
1Min
Light Fred
50Hz
60Hz
Stamp
On
Off
Lcd Off
Off
5Mins
3Mins
1Mins
Version
V2010924

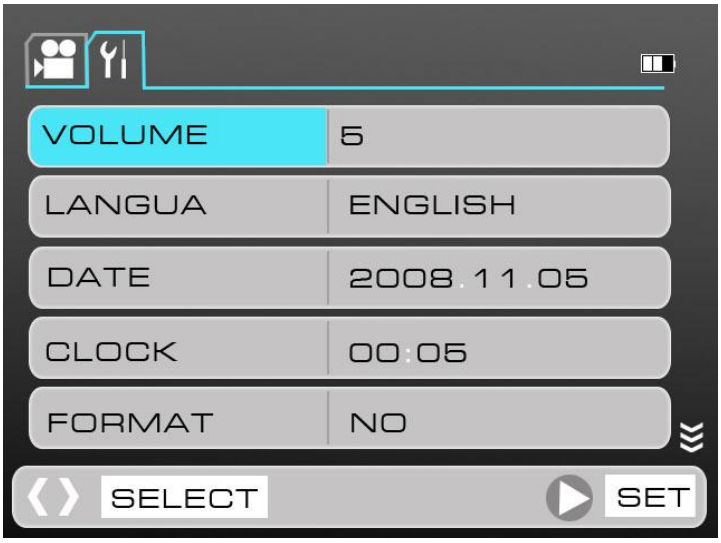
1，Record Setting

Long press to power on, then press MENU to enter the setting menu .

Use and to select menu，press to change setting and press MENU save and quit.

2，System Setting

Press MENU to enter the record setting menu, then press to enter the “system setting” and “record setting” switch condition, then press to switch to the “system setting” menu.

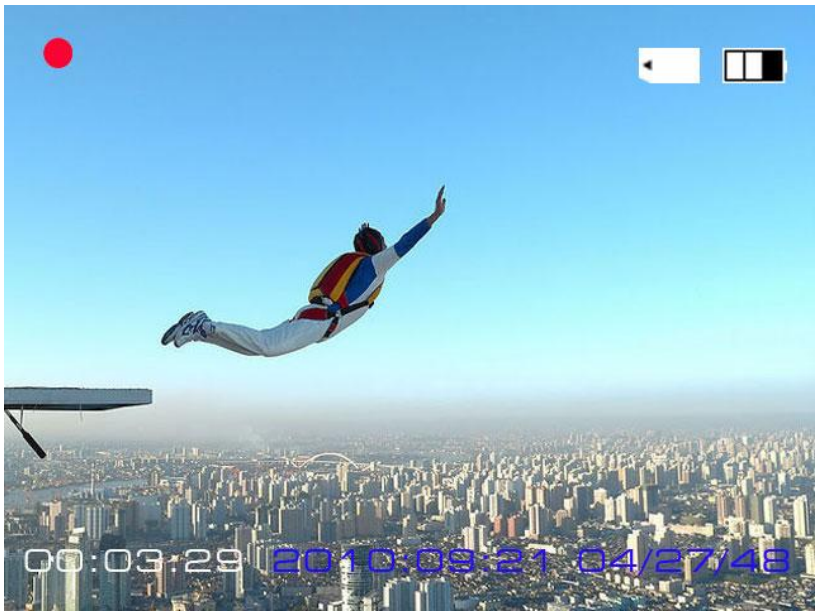


Use and to select menu, and press to change the setting, then press MENU to save and quit.

3， Take picture and Record video

Short press under monitor condition will take a picture, the red recording indicator will flash one time at the same.

Short press under monitor condition will start the video recording, the red recording indicator will keep flash, the upper left corner of the screen will display a red REC icon . （Figure below）



Red indicator mean the camera is under recording condition，

00:03:29 is the recorded time.

How long time that the SD card could record ?

Below is the available recording time for video and pictures .(For reference only, real parameters shall control)

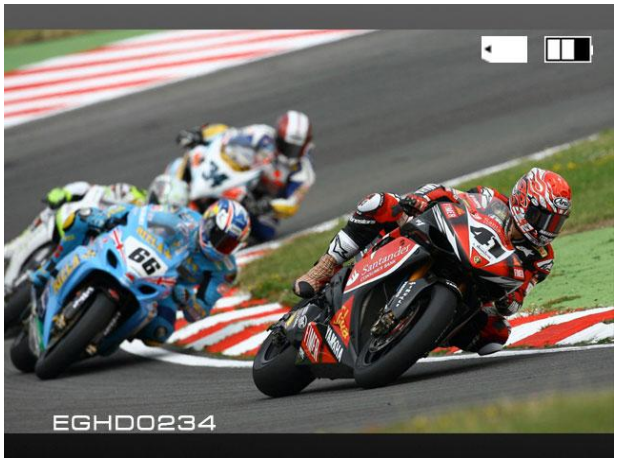
SD Card	1280x720P	1920x1080P	848x480P	2592x1944	3200x2400
8GB	200min	120min	320min	3996photos	3193photos
4GB	100min	60min	160min	2386photos	1565photos
2GB	50min	30min	80min	1148hotos	753photos
1GB	25min	15min	40min	589photos	386photos

4,Video playback

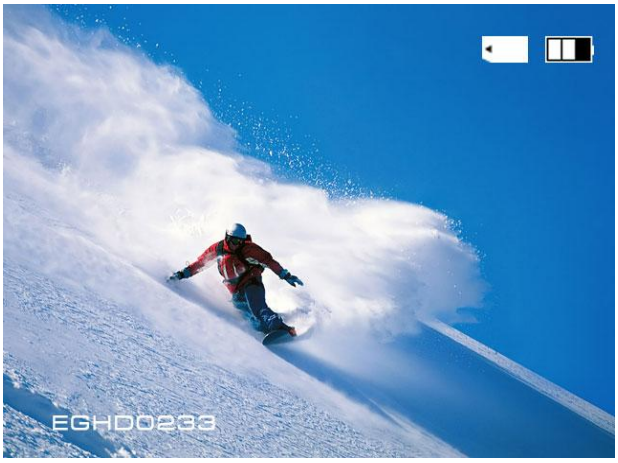
A, Playback in the camera

Long press to enter the playback condition, under the monitor condition, use and to select video files.

Video file display:



Picture file display:



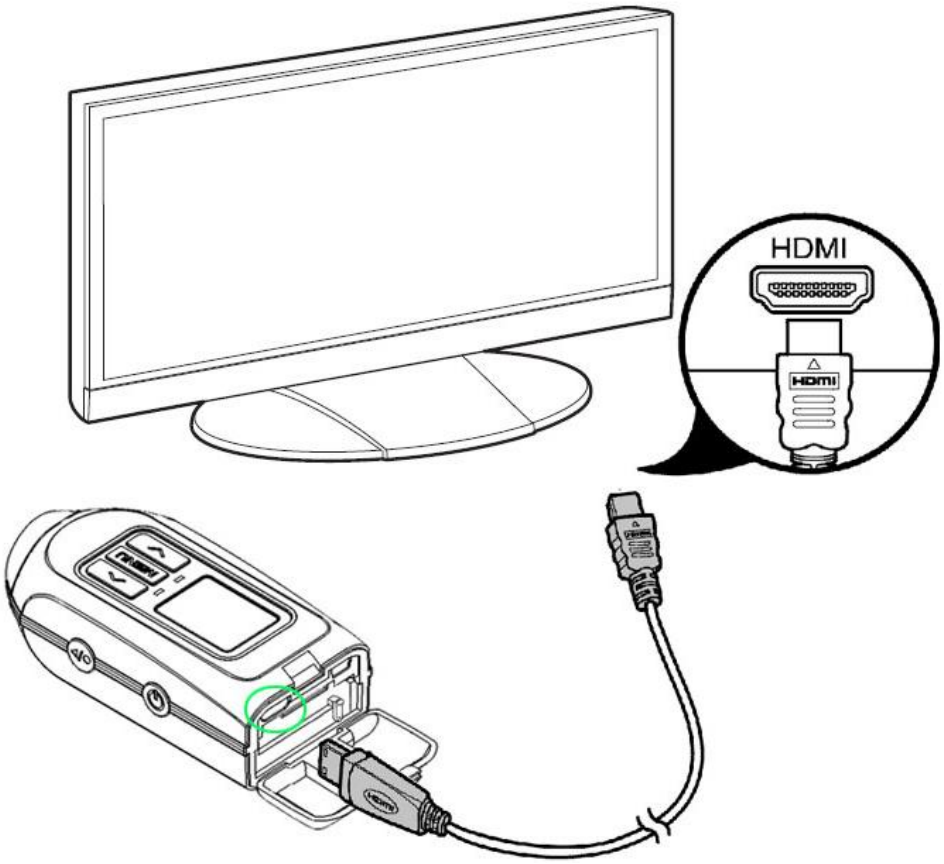
Lantern slide browse:

User could browse the files by slide playback mode, press

under playback condition, use to select “SLIDE SHOW” menu, choose the playing speed and then press to confirm the setting.

B，TV playback（HDMI）

Connect the camera with TV by HDMI cable, power on the camera, switch the TV to the HDMI video channel.



Long press to enter the playback condition under playback condition, use and to select the files, short press to play the files.

While playing the files, you could use and to do Fast Forward and Rewind.

Press MENU to stop playing and quit.

Long press to quit playing back menu.

Attention：

The output resolution is 1080i in playback condition, 480i in recording condition, some TV would be can't display correctly that because the TV does not support 1080i HD signal, the camera will recognize the TV system when connected.

C，Delete files

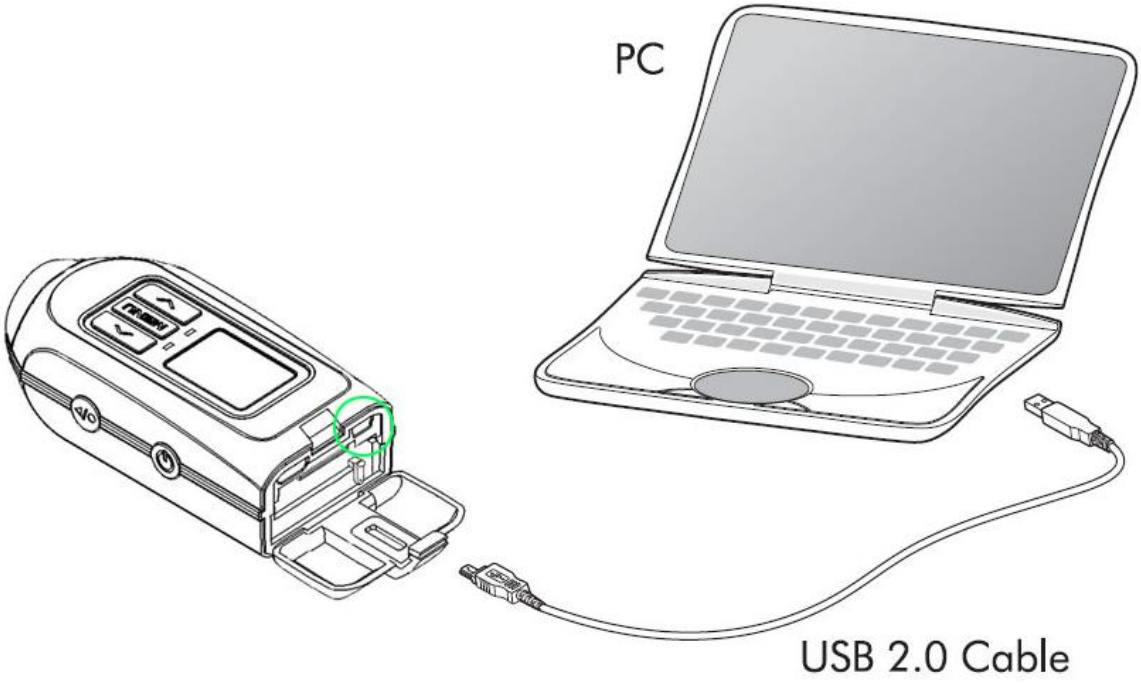
Under the playback condition, press MENU to switch out the delete menu and do the delete operation. (Figure below)

Press ⏯ to select YES.

Press ⏻ to confirm “ delete” operation.

D, Connect with Computer

Connect HD119 to PC thru the provided USB cable for downloading or uploading files and upgrading firmware



① Connect the Camera with Computer by the USB cable

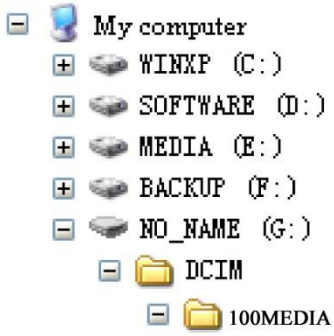
② Power on the camera

③ The screen of the camera will display "USB connected".

Attention：User can not do any operation on the Camera after connected with the computer, only operation in computer available.

④ Open “my computer” to check if there has the removable hard disk, called “NO_NAME” .

Picture details：



AMBA0052 KMP - Apple Quic... 10,829 KB
AMBA0055 KMP - Apple Quic... 1,744 KB
AMBA0089 KMP - Apple Quic... 643 KB
AMBA0106 KMP - Apple Quic... 256,771 KB
AMBA0113 KMP - Apple Quic... 207 KB
AMBA0120 KMP - Apple Quic... 7,164 KB
AMBA0129 KMP - Apple Quic... 1,872 KB
AMBA0144 KMP - Apple Quic... 14,412 KB
FHD_0155 KMP - Apple Quic... 867,532 KB
FHD_0175 KMP - Apple Quic... 9,672 KB
FHD_0193 KMP - Apple Quic... 10,788 KB
FHD_0209 KMP - Apple Quic... 72,014 KB
FHD_0215 KMP - Apple Quic... 722 KB
FHD_0223 KMP - Apple Quic... 7,572 KB
FHD_0235 KMP - Apple Quic... 3,037 KB
FHD_0236 KMP - Apple Quic... 645 KB
FHD_0242 KMP - Apple Quic... 731 KB
FHD_0243 KMP - Apple Quic... 475 KB

⑤ Open the video files in the folders.

⑥ Check the video files in the folders, and play it by the default media player in your computer.

Advise：Advise the user to use “KM player” media software to play the video files.

General Specification

	SPEC		Detail & Support	Remark
H/W	Internal Storage Device		32MB	
	SD Card		1-32GB	Support SDHC 32GB
	LCD	Size	1.5inch	
		Resolution	480x240,TFT	
	Sensor	Optical Format	1/2.5inch(4:3)	
		Active Pixels	2592H x 1944V	
	Video	Output Ch	1Ch	TV/LCD Selectable
	Audio	Built-in MIC	YES	
		Output Ch	1Ch	
		Speaker	Mono	
	PC Interface	USB	USB 2.0 (High Speed)	
	Power	Battery	3.7[V], 1300[mAH]	Li-ion Polymer
		AC Adaptor	DC 5V, 1.5A	
Size	Dimensions		116x27.2x44.8[mm]	
	Weight		133[g]	Battery installed
Other functions	Memory Change in Memory Full		YES	
	Time Stamp		YES	
	Record Quality Select		YES	
	Slide Show		YES	
	LCD On/Off		YES	
	Video/Audio Select		YES	
	Image Thumbnail View		NO	
	Support LCD Off to Recording		YES	
	Recording backup to low battery		YES	
	Auto Power Off		YES	

Recording	Video Recording	Video Format	NTSC/PAL	Video+Audio, Video
		Resolution	1920x1080 30fps	1280x720 30fps
			848x480 60fps	640x320 60fps
	Audio Rec.	Video & Audio Rec	YES	
Playback	Video	Resolution	1920x1080 1280x720	848x480 640x480
		Frame Rate	Max. 30 fps	Max. 60 fps
		File Format	HD=H.264	
		Playback speed	1/8, 1/4, 1/2, 1, 2, 4, 8	
	PC Player	KM Player	Stored in the folder of HD119	Internet Download available

We will not inform you if there is any modification for user maual in future